

**NATURAL RESOURCES CONSERVATION SERVICE  
DOCUMENTATION AND CERTIFICATION**

**IRRIGATION SYSTEM, PIPELINE  
Code 430**

The items below shall be recorded in the conservation plan, conservation notes or an approved form as minimum documentation requirements for a practice.

1. Location and Site Investigation

Environmental Checklist Form (CB-EVC-2)  
Form CB-ENG-PLNG-1, Engineering Planning Consideration Checklist and Guide  
Conservation Plan Map  
Location Map (Topographic Quadrangles)  
Aerial Photos  
Surveying Plat (Property Limits)  
Flooding Maps (FEMA)  
SHPO - Cultural Resources Inventory

References:

- TR-1, Form CB-ENG-PLNG-1, Engineering Planning Consideration Checklist and Guide
- NRCS, GM 420, Part 401, Cultural Resources
- USGS Topographic Quadrangles

2. Soils/Geology Investigation

Geologic Maps  
Conservation Plan Soil Map

References:

- NRCS Area Soil Survey
- SCS-CONS-15A-Soil Map

3. Engineering Survey

Form SCS-ENG-28  
Form SCS-ENG-29  
Surveying Computer Programs

References:

- 210-VI-TR-62, Engineering Layout, Notes, Staking and Calculations
- 210-VI-NEH-650.01, EFH Chapter 1, Engineering Survey

4. Engineering Criteria

Pipe36\_Fl.exe Program

References:

- CB FOTG Sec. IV, Code 430, Irrigation System, Pipeline

- 210-VI-NEH-652, Irrigation Guide
- 210-VI-NEH-650.15, EFH Chapter 15, Trickle Irrigation
- 210-VI-NEH-650.15, EFH Chapter 15, Sprinkler Irrigation
- 210-VI-NEH-650.15, EFH Chapter 15, Irrigation

## 5. Drafting and Drawings

Drafting Computer Programs Output  
Sketches and Drawings

References:

- 210-VI-NEH-650.05, EFH Chapter 5, Preparation of Engineering Plans
- 210-VI-TR-73, Computer Aided Design and Drafting (CADD) Standards

## 6. Engineering Cost Estimates

Reference:

- CB FOTG Section I, Cost Data

## 7. O&M and Safety

Operation and Maintenance Plan

Reference:

- OSHA Reference Manuals

## 8. Construction Materials and Specifications

Manufacturer's Recommendations

References:

- 210-VI-NEH-650.17, EFH Chapter 17, Construction and Construction Materials
- 210-VI-NEH - Part 642, Specifications for Construction Contracts
- ASTM Standard Specifications

## 9. Installation and Certification

Certification that application meets NRCS standards and specifications

Reference:

- 210-VI-NEH-19, Section 19, Construction Inspection